

POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

US EPA RECORDS CENTER REGION 5



557707

RMI - SODIUM PLANT  
State Road at East 6th Avenue  
Ashtabula, Ohio 44004

OHD 000 810 242

RMI - Sodium utilizes spent brine solution from their Metals Reduction facility. The solution is concentrated, enriched and placed in a "Dawns" electrolytic cell. Through electrolysis, sodium chloride is transformed into metallic sodium and chlorine gas ( $Cl_2$ ). The facility is approximately a 50 acre site located on State Road, 3/4 mile south of Lake Erie. It has a landfill area about 3.6 acres in size. The facility is bounded on the west by State Road and on the south by RR tracks and the Detrex Corporation. Cleveland Electric Illuminating has piles of coal stored at the east boundary. The immediate area around the facility is industrial. The closest population is East Ashtabula, Ohio, approximately 3/4 mile west of the site. The site is fenced and has a 24 hour guard. The geology of the site is a clay, sandy clay formation overlying shale.

The RMI - Sodium Plant is a RCRA permitted facility. Hazardous wastes generated include sulfuric acid, spent cell bath (contaminated with Ba) and metallic sodium/calcium residue. Sulfuric acid that is not recycled is neutralized in the on-site wastewater treatment system. Prior to August 10, 1983, the sodium residue was open burned on a concrete pad and in a burn room having no pollution abatement equipment. Following a consent agreement and Final Order from U.S. EPA, open burning ceased. The burn room incineration continued while a second burn room is being fitted for pollution equipment. When operational, the 2nd burn room will be used solely for residue destruction.

Process wastewaters are treated in settling ponds following neutralization and catalytic destruction of hypochlorite in the waste stream. This treatment was implemented because of numerous complaints about, and NPDES excursions for, discharge of high levels of Total Residual Chlorine (TRC) to Fields Brook (via a storm sewer along State Road). RMI is in the process of installing a bisulfite reduction system to further reduce TRC in the effluent. The system is expected to be complete in 1985. Known process water is also discharged from NPDES outfall 001 following settling. RMI recently received a final NPDES permit (May, 1985).

The landfill area received waste cell bath from 1950 to 1980. Although listed as D005, a Barium waste, recent analyses show that the cell bath also contains lead and cadmium. The area has a closure plan and has been capped with 2' of clay. A drainage ditch which transversed the site was rerouted west to reduce the potential for water infiltration into the landfill. A ground water study, performed by Herron & Associates, included installation of 4 wells on-site. Sample analyses of well water indicated contamination of the upper clay formation (approx. 30') with Ba, Zinc, and lead. During the capping and rerouting activities on the landfill, a leachate seep was found next to the RR tracks at the south end of the plant. An analysis revealed TCE, tetrachloroethylene and Trichlorethane contaminants in the leachate. Runoff from the CEI coal pile area, east of the plant and RMI, is directed toward Fields Brook via the rerouted drainage ditch. A potential exists for contamination infiltration from outside sources into the RMI facility landfill area.

Because of the following, a low priority for FIT and a continued high priority for State/CERCLA activity for this site is recommended.

1. Minimal number of people on ground water.
2. Surface drinking water source is more than 3 stream miles from the site.
3. Air contamination problems are being corrected.
4. Fields Brook is the subject of an ongoing NPL Project, including RI work performed by CH<sub>2</sub>M Hill.
5. OEPA and ODH have issued a fish advisory for the Ashtabula River.
6. Poor permeability for local soils and underlying geology.



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 1 - SITE INFORMATION AND ASSESSMENT

|                   |                |
|-------------------|----------------|
| I. IDENTIFICATION |                |
| 01 STATE          | 02 SITE NUMBER |
| OH                | D 0008/0242    |

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)

RMI - Sodium Plant

03 CITY

Ashfordula

08 COORDINATES LATITUDE

41° 53' 55.0"

LONGITUDE

080 46' 13.3"

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER

STATE ROAD AT EAST 6<sup>th</sup> St.

04 STATE

05 ZIP CODE

06 COUNTY

07 COUNTY

08 CONG

DIST

OH 44004 Ashfordula

007

11

10 DIRECTIONS TO SITE (Starting from nearest public road)

TAKING Interstate 11 North from Edgewood, Exit at LAKE Road  
Going EAST. TAKE LAKE to STATE ROAD South. Plant is Approx.  
1/2 mile on the left.

III. RESPONSIBLE PARTIES

01 OWNER (if known)

RMI Co.

02 STREET (Business, mailing, residential)

1000 WARREN Ave.

03 CITY

Niles

04 STATE

05 ZIP CODE

06 TELEPHONE NUMBER

OH 44446 (216) 652-9951

07 OPERATOR (if known and different from owner)

RMI - Sodium Plant

08 STREET (Business, mailing, residential)

SAME AS SITE

09 CITY

SAME AS SITE

10 STATE

11 ZIP CODE

12 TELEPHONE NUMBER

( )

13 TYPE OF OWNERSHIP (Check one)

 A. PRIVATE     B. FEDERAL:

(Agency name)

 C. STATE     D. COUNTY     E. MUNICIPAL F. OTHER:

(Specify)

 G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

 A. RCRA 3001 DATE RECEIVED: / / MONTH DAY YEAR B. UNCONTROLLED WASTE SITE (CERCLA 103(c)) DATE RECEIVED: 6/5/81 MONTH DAY YEAR C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

BY (Check all that apply)

 YES DATE / / MONTH DAY YEAR A. EPA     B. EPA CONTRACTOR C. STATE D. OTHER CONTRACTOR NO E. LOCAL HEALTH OFFICIAL     F. OTHER:

(Specify)

CONTRACTOR NAME(S): \_\_\_\_\_

02 SITE STATUS (Check one)

03 YEARS OF OPERATION

 A. ACTIVE     B. INACTIVE     C. UNKNOWN

1950 | Present

BEGINNING YEAR ENDING YEAR UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

HEAVY METALS (TOXIC/PERSISTENT)

SLUDGE (TOXIC/PERSISTENT)

OTHER ORGANICS (REACTIVE/TOXIC/PERSISTENT)

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

GROUND WATER (ENVIRONMENT/POPULATION)

SURFACE WATER (POPULATION/ENVIRONMENT)

AIR (POPULATION/ENVIRONMENT)

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

 A. HIGH  
(Inspection required promptly) B. MEDIUM  
(Inspection required) C. LOW  
(Inspect on time available basis) D. NONE  
(No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT

GARY GIFFORD

02 OF (Agency/Organization)

OHIO EPA - NEDO

03 TELEPHONE NUMBER

(216) 425 9171

04 PERSON RESPONSIBLE FOR ASSESSMENT

PAT Petrella

05 AGENCY

USEPA ECOLOGY & ENVIR.  
REGION II-FIT

06 ORGANIZATION

(312) 663-9415

07 TELEPHONE NUMBER

08 DATE

7/24/85  
MONTH DAY YEAR

(b)(6)  
10/3/81  
5E0301/Med



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 2 - WASTE INFORMATION

| L IDENTIFICATION |                |
|------------------|----------------|
| 01 STATE         | 02 SITE NUMBER |
| OH               | D000810242     |

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

|   |  |   |
|---|--|---|
| 01 PHYSICAL STATES (Check all that apply)   | 02 WASTE QUANTITY AT SITE<br>(Measures of waste quantities<br>must be independent)   | 03 WASTE CHARACTERISTICS (Check all that apply)   |
| <input checked="" type="checkbox"/> A. SOLID<br><input type="checkbox"/> B. POWDER, FINES<br><input checked="" type="checkbox"/> C. SLUDGE<br><input type="checkbox"/> D. OTHER<br><small>(Specify)</small> | <input checked="" type="checkbox"/> E. SLURRY<br><input checked="" type="checkbox"/> F. LIQUID<br><input checked="" type="checkbox"/> G. GAS<br><br>TONS <u>22.50</u><br><br>CUBIC YARDS <u>-</u><br><br>NO. OF DRUMS <u>-</u> | <input checked="" type="checkbox"/> A. TOXIC<br><input checked="" type="checkbox"/> B. CORROSIVE<br><input checked="" type="checkbox"/> C. RADIOACTIVE<br><input checked="" type="checkbox"/> D. PERSISTENT<br><br><input checked="" type="checkbox"/> E. SOLUBLE<br><input checked="" type="checkbox"/> F. INFECTIOUS<br><input checked="" type="checkbox"/> G. FLAMMABLE<br><input checked="" type="checkbox"/> H. IGNITABLE<br><br><input type="checkbox"/> I. HIGHLY VOLATILE<br><input type="checkbox"/> J. EXPLOSIVE<br><input checked="" type="checkbox"/> K. REACTIVE<br><input type="checkbox"/> L. INCOMPATIBLE<br><input type="checkbox"/> M. NOT APPLICABLE |

III. WASTE TYPE

| CATEGORY | SUBSTANCE NAME            | 01 GROSS AMOUNT | 02 UNIT OF MEASURE | 03 COMMENTS                                  |
|----------|---------------------------|-----------------|--------------------|--|
| SLU      | SLUDGE                    | UNKNOWN         |                    | Waste Water Treatment Sludges                |
| OLW      | OILY WASTE                |                 |                    | Pond cleaning in Fall, 1985.                 |
| SOL      | SOLVENTS                  |                 |                    |  |
| PSD      | PESTICIDES                |                 |                    |  |
| OCC      | OTHER ORGANIC CHEMICALS * | 24,000          | Pounds             | Reactive Sodium (NA) Residue                 |
| IOC      | * INORGANIC CHEMICALS →   | 3.8 million     | "                  | BARIUM IADEN Electrolytic Cell Bath Solution |
| ACD      | ACIDS                     | 479,710         | "                  |  |
| BAS      | BASES                     |                 |                    |  |
| MES      | HEAVY METALS              | UNKNOWN         |                    | * Yearly estimates                           |

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

| 01 CATEGORY | 02 SUBSTANCE NAME                   | 03 CAS NUMBER | 04 STORAGE/DISPOSAL METHOD  | 05 CONCENTRATION | 06 MEASURE OF CONCENTRATION |
|-------------|-------------------------------------|---------------|---|------------------|-----------------------------|
| IOC         | Sodium / Calcium RESIDUE            | 7440-23-5     | Previous to USEPA<br>STOPPAGE, RMI OPEN<br>BURNED THIS. IS<br>BURNED IN BURN Room<br>which has no Abatement Equipment | UNK. →           |                             |
| IOC         | Chlorine                            | 7782-50-5     | ESCAPE from Process   | UNK. →           |                             |
| IOC         | BARIUM CONTAMINATED Cell Bath Waste | 7940-39-3     | RCRA regulated.   | UNK. →           |                             |
| ACD         | Sulfuric Acid                       | 7664-93-9     | SOME Recycled<br>SOME treated onsite  | UNK. →           |                             |
| SLU         | Waste water Sludges                 | UNKNOWN       | Possibly HAZARDOUS<br>NOT tests performed.  | UNK. →           |                             |
| OCC         | Hexachlorobenzene                   | 118-74-1      | HCB <1 ppb by ERG (NPDES 001 eff.)  |                  |                             |

V. FEEDSTOCKS (See Appendix for CAS Numbers)

| CATEGORY | 01 FEEDSTOCK NAME | 02 CAS NUMBER | CATEGORY | 01 FEEDSTOCK NAME | 02 CAS NUMBER |
|----------|-------------------|---------------|----------|-------------------|---------------|
| FDS      | Be. Me. Solution  | UNKNOWN       | FDS      |                   |               |
| FDS      |                   |               | FDS      |                   |               |
| FDS      |                   |               | FDS      |                   |               |
| FDS      |                   |               | FDS      |                   |               |

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state Regs, sample analysis, reports)

See Attached Sources of Info.

POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

## PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

| L IDENTIFICATION |                |
|------------------|----------------|
| 01 STATE         | 02 SITE NUMBER |
| OH               | D 000 810242   |

## II. HAZARDOUS CONDITIONS AND INCIDENTS

01  A. GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: Approx 150

02  OBSERVED (DATE: 3-4-81) POTENTIAL ALLEGED

THE GEOLOGY IN THE AREA IS A CLAY, SANDY CLAY OVERLAYING SHALE. FEW PEOPLE ON GW ARE ON THE SHALE FORMATIONS. THE HERRON REPORT, PERFORMED FOR RMI BY HERRON CONSULTANTS, FOUND THE 4 INSTALLED WELLS CONTAMINATED. ALL WELLS WERE IN THE C144 FORMATION. CONTAMINANTS WERE BACRUM, MISC. ORGANICS AND H.M. HEAVY METALS INCLUDED LEAD & ZINC. CEI COAL PILES & DEXTREX CORP. SITES ADJACENT TO RMI

01  B. SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED:

02  OBSERVED (DATE: 3-28-85) POTENTIAL ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 15000

04 NARRATIVE DESCRIPTION

ANALYTICAL RESULTS SHOWS CONTAMINATION OF FIELDS BROOK. THERE IS A OHDH/CEPA FISH ADVISORY IN EFFECT FOR THE ASHTABULA RIVER. THE RIVER IS USED FOR FISHING & BOATING. SEE RI BY CHM HILL FOR FIELDS BROOK 3128185. NPDES EXCURSIONS & CITIZEN COMPLAINTS INDICATE ACTIVE CHLORINE COMPOUNDS IN FIELDS BROOK. ENDANGERED SPECIES AND WETLANDS ARE POTENTIALLY WITHIN 1 MI RAD.

01  C. CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: 36,000

02  OBSERVED (DATE: MAY 1985) POTENTIAL ALLEGED

04 NARRATIVE DESCRIPTION

BREAKDOWN RESULTED IN A CHLORINE RELEASE FROM THE PROCESS. ONLY 1 COMPLAINT WAS NOTED. CHLORINE odors permeate the area but many industries in the area use Cl<sub>2</sub> in their processing. Burning in a burn room with no ABATEMENT EQUIPMENT OCCURS. (Sodium residue). May potentially affect ENVIR.

01  D. FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED:

02  OBSERVED (DATE: \_\_\_\_\_) POTENTIAL ALLEGED

04 NARRATIVE DESCRIPTION

NONE

01  E. DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED:

02  OBSERVED (DATE: \_\_\_\_\_) POTENTIAL ALLEGED

04 NARRATIVE DESCRIPTION

SITE IS FENCED COMPLETELY WITH A 24 HR. GUARD.

01  F. CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED: 25 Acres

02  OBSERVED (DATE: 10-2-81) POTENTIAL ALLEGED

04 NARRATIVE DESCRIPTION DURING LANDFILL CAPPING, BROWN MATERIAL WAS DETECTED BUBBLING UP FROM GROUND. AN ANALYSIS SHOWED IT TO BE A COMBINATION OF TCE, Tetrachloroethylene AND Trichloroethane. EMISSIONS FROM BURNING OF SODIUM RESIDUE COULD POTENTIALLY CONTAMINATE THE SOILS IN THE AREA. (PAST OPEN BURNING AND BURN ROOM ACTIVITIES)

01  G. DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: 150

02  OBSERVED (DATE: \_\_\_\_\_) POTENTIAL ALLEGED

04 NARRATIVE DESCRIPTION

MOST PEOPLE ON SURFACE WATER FROM LAKE ERIE. SITE CONTAMINATION IS MORE THAN 3 MI UP STREAM FROM THE LAKE. LAKE WATER MAY BE PROVED CONTAMINATED BY SITE CONTAMINANTS. ONLY POTENTIAL PRESENTLY IS FOR GW PEOPLE.

01  H. WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: 360

02  OBSERVED (DATE: MAY 1985) POTENTIAL ALLEGED

04 NARRATIVE DESCRIPTION

FROM THE CHLORINE RELEASE ATTRIBUTED TO RMI, ONE INDIVIDUAL FROM AN ADJACENT FACILITY COMPLAINED. POTENTIALLY OTHERS COULD HAVE BEEN AFFECTED. ALSO EMISSIONS FROM BURN ROOM (SODIUM RESIDUE) AND PAST OPEN BURNING ACTIVITIES COULD AFFECT WORKERS.

01  I. POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: 36,000

02  OBSERVED (DATE: \_\_\_\_\_) POTENTIAL ALLEGED

04 NARRATIVE DESCRIPTION

Possible exposure from burn room emissions and past open burning activities. Open burning ceased per USEPA consent agreement & final ORDER.



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

| L IDENTIFICATION |                               |
|------------------|-------------------------------|
| 01 STATE<br>OH   | 02 SITE NUMBER<br>D 500810242 |

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01  J. DAMAGE TO FLORA

04 NARRATIVE DESCRIPTION Citizen complaint that ACTIVE chlorine compounds emanating from Fields Brook Bleached Plants in his yard. May have been from RMI. Also potential from BURN room emissions + past open burning activities.

02  OBSERVED (DATE: \_\_\_\_\_)

POTENTIAL

ALLEGED

01  K. DAMAGE TO FAUNA

04 NARRATIVE DESCRIPTION (include name(s) of species)

ODH/OEPA HAS ISSUED A FISH ADVISORY for the Ashtabula River Burn Room + past open burning emissions could affect FAUNA IN AREA.

02  OBSERVED (DATE: \_\_\_\_\_)

POTENTIAL

ALLEGED

01  L. CONTAMINATION OF FOOD CHAIN

04 NARRATIVE DESCRIPTION

02  OBSERVED (DATE: \_\_\_\_\_)

POTENTIAL

ALLEGED

ODH/OEPA HAS ISSUED A FISH ADVISORY for the Ashtabula River. Soil contamination may result in food contamination.

01  M. UNSTABLE CONTAINMENT OF WASTES

(Spills/runoff/standing liquids/leaking drums)

02  OBSERVED (DATE: \_\_\_\_\_)

POTENTIAL

ALLEGED

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

04 NARRATIVE DESCRIPTION

None

01  N. DAMAGE TO OFFSITE PROPERTY

04 NARRATIVE DESCRIPTION

02  OBSERVED (DATE: \_\_\_\_\_)

POTENTIAL

ALLEGED

NONE

01  O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs

04 NARRATIVE DESCRIPTION

02  OBSERVED (DATE: \_\_\_\_\_)

POTENTIAL

ALLEGED

Damage to plants (bleaching) from fumes of Active chlorine compounds from Fields Brook was reported. Potentially from RMI

01  P. ILLEGAL/UNAUTHORIZED DUMPING

04 NARRATIVE DESCRIPTION

02  OBSERVED (DATE: Pre RCRA)

POTENTIAL

ALLEGED

Waste "Downs" Cell Bath contaminated with Barium Before RCRA. Reported on CerCLA Notification 103c.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS Cell Bath, analyzed Mar. 1985 showed Pb + Cd. contaminants. Potential for GW contam. of these in landfill. Clay top has been installed over landfill, 2' thick and a drainage ditch re-routed to prevent water infiltration.

III. TOTAL POPULATION POTENTIALLY AFFECTED: 36,000

IV. COMMENTS

Surface waters of Fields Brook flow into the Ashtabula River. RM1 NPDES OUTFALL 001 (Recently obtained Permit (May 1985)) is monitored for TDS. PER THEIR "ZC" FORM, MERCURY, ZINC AND LEAD WERE detected in the effluent. PART of this TDS may be these metals. There is Potential.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state No. sample analysis, reports)

See attached sources of information.

| PA DOCUMENTATION SHEET |  | SITE <u>RMI - Sodium Plant</u><br>IDENTIFICATION NUMBER <u>04000810242</u>                                |
|------------------------|--|---|
| SOURCE NUMBER          | DESCRIPTION OF SOURCE  |   |
| 1A, 1B, 1C, 1D         | 1A) QUAD NAME <u>Ashftabln A-N</u><br>SIZE: <u>(7.5)</u> or 15<br>YEAR <u>1960</u><br><u>P.R.-1970</u>       | 1B) QUAD NAME <u>Ashftablna-S</u><br>SIZE: <u>(7.5)</u> or 15<br>YEAR <u>1960</u> P.R.-1970               |
|                        | 1C) QUAD NAME <u>Gageville, Ohio</u><br>SIZE: <u>(7.5)</u> or 15<br>YEAR <u>1960</u><br><u>P.R. - 1979</u>   | 1D) QUAD NAME <u>North Kingsville</u><br>SIZE: <u>(7.5)</u> or 15<br>YEAR <u>1960</u><br><u>P.R.-1970</u> |
| 2                      | <u>Circula Notification 8900-1 dated 6/5/81</u><br><u>from RMI Sodium Plant</u>                              |   |
| 3                      | <u>Letter from J. L. Halvam RMI to</u><br><u>T. Creppen OEPAC dated 7-16-85</u>                              |   |
| 4                      | <u>Consent Agreement - Final Order from</u><br><u>USEPA to RMI Sodium 8-29-83</u>                            |   |
|                        | <u>SD Option Pending</u>   |   |
| 5                      | <u>Report on Determination of HCR in</u><br><u>water for RMI by ERG - 2/77</u>                               |   |
| 6                      | <u>RCRA Part A &amp; Modifications</u>   |   |
| 7                      | <u>Citizen's Complaints in the form</u><br><u>of letters requesting denial of</u><br><u>RMI NPDES Permit</u> |   |
| 8                      | <u>Analytical Results from 001</u><br><u>Pre-NPDES permit</u>  |   |
| 9                      | <u>Site Plan and Cenc for Landfill</u>   |   |
| 10                     | <u>RCRA Generator Annual Report of Haz. Waste</u><br><u>for 1984</u>   |   |

## PA DOCUMENTATION SHEET

SITE RMI Sodium Plant  
IDENTIFICATION NUMBER OH D000810242

| SOURCE NUMBER | DESCRIPTION OF SOURCE  |
|---------------|--|
| 11            | Final RI on Fields Brook by CH <sub>2</sub> MH II. 3/28/85   |
| 12            | Interview with C. FRAZIER OEPA-NEDO<br>7-23-85   |
| 13            | Interview with Dennis Bush, OEPA-<br>NEDO, Air Section, on 7-23-85.                                |
| 14            | Phone conversation with Mr. Bender,<br>Director of Recreation for City of<br>Akron, dated 7-23-85. |
| 15            | Interview with Mr. Bill Stevenson<br>dated 7-23-85. Chie OEPA-Nedo<br>Haz. Waste                   |
| 16            | Interview with Mr. Bob Miller,<br>OEPA NEDO Industrial Ww, on<br>7-23-85.                          |
| 17            | Interview with Steve Tuckerman<br>OEPA NEDO, Haz. Waste dated,<br>7-23-85.                         |
| 18            | Herron report done for RMI on<br>groundwater dated 3-4-81  |
| 19            | Ohio Water Service Description of distribution<br>system.  |

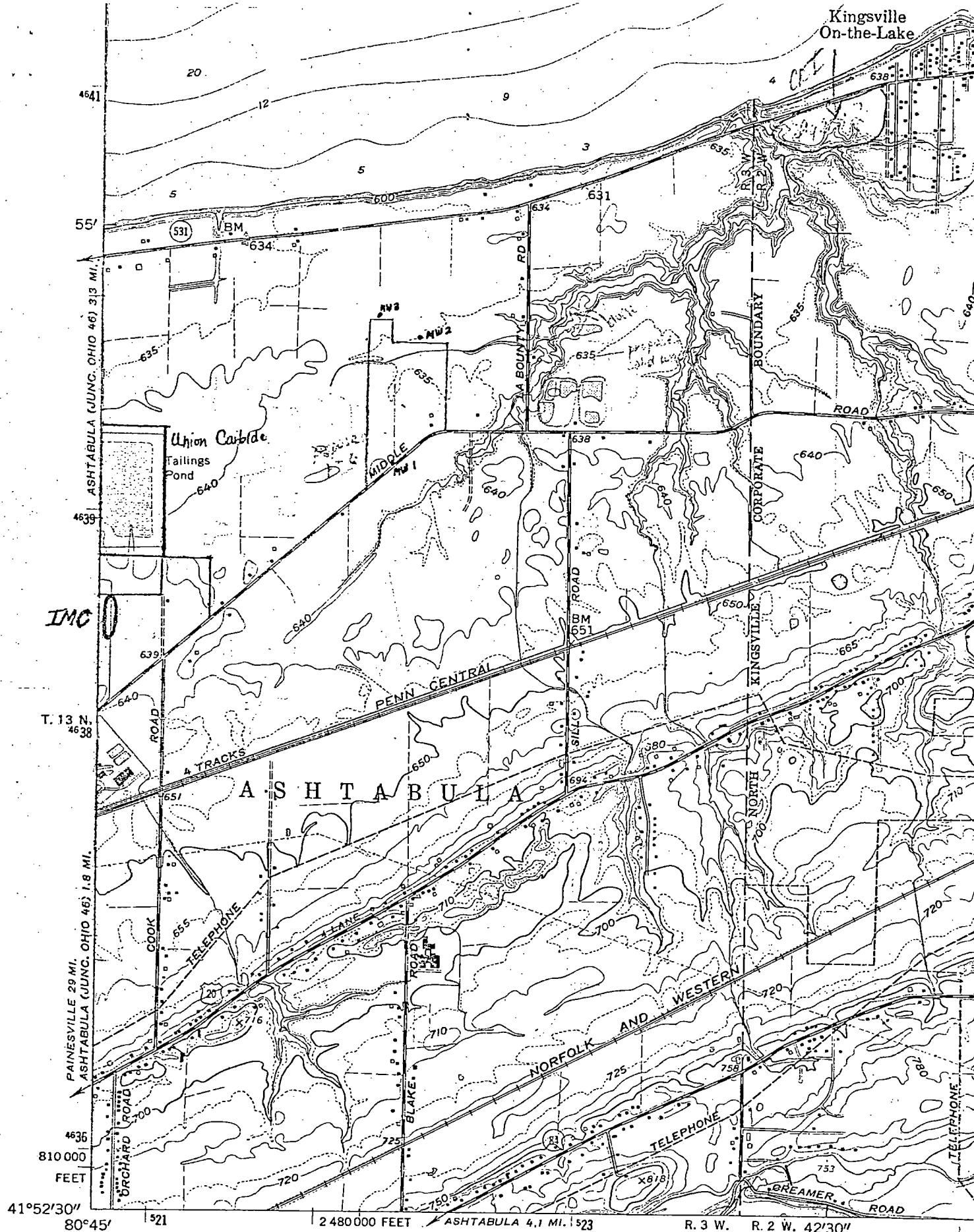
| PA DOCUMENTATION SHEET |   | SITE <u>RMI-Sodium Plant</u><br>IDENTIFICATION NUMBER <u>OH0000810242</u> |
|------------------------|---|---|
| SOURCE NUMBER          | DESCRIPTION OF SOURCE   |   |
| 20.                    | Well logs in the area of RMI Sodium plant   |   |
| 21                     | Furn "2c" submitted by RMI dated 3-23-84  |   |
| 22                     | Phone conversation bet. A.S. Rupp and Doug Fischer, SCS on irrigation. dated 7-18-85.   |   |
| 23                     | Population estimates with backup information re Ohio Population Dept.   |   |
| 24                     | Estimate of population at groundwater and phone conversations; one with Dan Sewall E&E and one with Don Colborn Ohio Water Dept., Columbus, from Dave Vaughan E&E. dated 7-16-85. |   |
| 25                     | 6-27-85 RMI Sodium Plant Inspection Notes by chis Frazier DEPA-NEO Haz waste.   |   |
| 26                     | Phone conversation with Ohio American Water Co dated 7-16-85.   |   |
| 27.                    | Phone conversation with Mr. Lynn McClane  |   |

PA DOCUMENTATION SHEET

SITE RM 1 - Sodium Plant  
IDENTIFICATION NUMBER OH 0000810242

| SOURCE NUMBER | DESCRIPTION OF SOURCE  |
|---------------|--|
| 27 (cont'd)   | U.S. Fish + Wildlife Service, Columbia<br>dated 7-16-85.     |
| 28            | Facility description + discharge<br>for NPDES antfall # 001. |
|               | END  |





Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

**Topography from aerial photographs by photogrammetric methods**  
**Aerial photographs taken 1958. Field check 1960**

**S**elected hydrographic data compiled from U. S. Lake Survey charts 33 (1959) and 34 (1958). This information is not intended for navigational purposes.

BNW

